

**Average Cost Estimates for Conservation Practices for FY09: Average Cost/Unit and Estimated Total Costs**

Practice Code	Practice Name	Practice Scenario	Units	Estimated Average Cost/Unit	Typical Total Installation Cost
100	CNMP	CNMP - development & record keeping	No	\$1,219	\$1,219
313	Waste Storage Facility	Wet Waste - Concrete Pit, small, $\leq 370$ cu.yds.	CuYd of Waste Stored	\$167.70	\$45,114
313	Waste Storage Facility	Wet Waste-Con.Pit, med., $>370$ cu.yds. $<1,000$ cu.yds.	CuYd of Waste Stored	\$112.58	\$64,283
313	Waste Storage Facility	Wet Waste - Concrete Pit, large, $> 1,000$ cu.yds.	CuYd of Waste Stored	\$44.83	\$211,448
313	Waste Storage Facility	Wet Waste, Earthen Pond, $\leq 1,000$ cu.yds.	CuYd of Waste Stored	\$14.37	\$13,177
313	Waste Storage Facility	Wet Waste, Earthen Pond, $> 1,000$ cu.yds.	CuYd of Waste Stored	\$10.46	\$17,435
313	Waste Storage Facility	Dry Waste - loose housing/bed pack facility, $1,150$ cu.yds.	CuYd of Waste Stored	\$206.77	\$237,501
313	Waste Storage Facility	Dry Waste - Earthen Floor, $\leq 1,000$ cu.yds.	CuYd of Waste Stored	\$58.92	\$39,299
313	Waste Storage Facility	Dry Waste - Earthen Floor $> 1,000$ cu.yds.	CuYd of Waste Stored	\$44.15	\$51,789
313	Waste Storage Facility	Dry Waste - Concrete Floor $\leq 500$ cu.yds.	CuYd of Waste Stored	\$111.43	\$52,820
313	Waste Storage Facility	Dry Waste - Concrete Floor $> 500$ cu.yds.	CuYd of Waste Stored	\$74.71	\$70,827
314	Brush Management	Bush Hogging	Acre	\$19.52	\$293
314	Brush Management	Disking	Acre	\$11.13	\$111
314	Brush Management	Rolling Drum Chopper	Acre	\$214.00	\$3,210
314	Brush Management	Spot Chemical Treatment of woody sites	Acre	\$103.00	\$1,545
314	Brush Management	Spot Chemical Treatment of pasture sites	Acre	\$57.64	\$865
316	Animal Mortality Facility	Dead Poultry Composting Facility	CuYds of Capacity	\$221.37	\$7,871
316	Animal Mortality Facility	Dead Swine Composting Facility	CuYds of Capacity	\$440.33	\$46,968
316	Animal Mortality Facility	Dead Swine Incinerator	Lbs of Capacity	\$10.61	\$15,921
316	Animal Mortality Facility	Dead Poultry Incinerator	Lbs of Capacity	\$24.68	\$9,872

Practice Code	Practice Name	Practice Scenario	Units	Estimated Average Cost/Unit	Typical Total Installation Cost
317	Composting Facility	Concrete Floor Composting Facility	CuYd of Waste Stored	\$76.97	\$45,642
327	Conservation Cover-Wildlife	Wildflower Meadow for Wildlife	Acre	\$1,304.36	\$13,044
327	Conservation Cover-Wildlife	Mixed Shrubs, NWSGs & forbs for wildlife	Acre	\$874.13	\$8,741
327	Conservation Cover-Wildlife	Cropland Conversion to Warm Sea. Grasses	Acre	\$276.35	\$2,763
327	Conservation Cover-Wildlife	Native Warm Sea. Grasses & Partridge Peas	Acre	\$243.15	\$2,432
328	Conservation Crop Rotation	E001 Continuous No-Fallow (CNF)	Acre	\$40.27	\$8,054
328	Conservation Crop Rotation	E010 SCI One Level Increase	Acre	\$57.13	\$11,427
328	Conservation Crop Rotation	E011 SCI One Level Increase plus CNF	Acre	\$97.40	\$12,327
328	Conservation Crop Rotation	E0120 SCI Two Level Increase	Acre	\$61.63	\$8,954
328	Conservation Crop Rotation	E021 SCI Two Level Increase plus CNF	Acre	\$101.90	\$9,854
328	Conservation Crop Rotation	E030 SCI Three Level Increase	Acre	\$66.13	\$10,754
328	Conservation Crop Rotation	E031 SCI Three Level Increase plus CNF	Acre	\$106.40	\$18,808
328	Conservation Crop Rotation	E040 Rotate to Perennial	Acre	\$140.97	\$14,097
329	Res. & Tillage Mgt, No-till/Strip-till	E001 Continuous No-Till	Acre	\$62.62	\$3,365
329	Res. & Tillage Mgt, No-till/Strip-till	Innovation & Demonstration Project, low value crop	Acre	\$302.40	\$1,030
329	Res. & Tillage Mgt, No-till/Strip-till	Innovation & Demonstratio Project, high value crop	Acre	\$1,992.10	\$1,544
330	Contour Farming	Farming on the Contour	Acre	\$16.03	\$401
332	Contour Buffer Strips	Contour Buffer Strips	Acre	\$285.32	\$2,853
338	Prescribed Burning	Prescribed Burning site prep. 15 acres or less	Acre	\$176.10	\$1,761
338	Prescribed Burning	Prescribed Burning site prep. > 15 < 40 acres	Acre	\$70.44	\$1,761
338	Prescribed Burning	Prescribed Burning site prep. > 40 acres	Acre	\$46.96	\$2,348
338	Prescribed Burning	Pres. Burning wildlife mgt. 15 acres or less	Acre	\$117.40	\$1,174
338	Prescribed Burning	Pres. Burning wildlife mgt. > 15 < 25 acres	Acre	\$58.70	\$1,174
338	Prescribed Burning	Pres. Burning wildlife mgt. ≥ 25 acres	Acre	\$46.96	\$1,174
340	Cover Crop	Legume Cover Crop, Drilled	Acre	\$50.53	\$1,516
340	Cover Crop	Small Grain Cover Crop, Drilled	Acre	\$88.36	\$2,651
340	Cover Crop	Small Grain Cover Crop, Aerial Seeding	Acre	\$108.51	\$3,255
340	Cover Crop	Innovation & Demonstration Project, low value crops	Acre	\$171.54	\$487
340	Cover Crop	Innovation & Demonstration Project, high value crops	Acre	\$1,072.01	\$1,248
342	Critical Area Planting	Critical Area Planting with farm equipment	Acre	\$990.17	\$990
342	Critical Area Planting	Critical Area Planting with construction equipment	Acre	\$1,700.81	\$1,701
350	Sediment Basin	Sediment Basin (Earth Moved)	CuYds of Earth Moved	\$9.35	\$9,355

Practice Code	Practice Name	Practice Scenario	Units	Estimated Average Cost/Unit	Typical Total Installation Cost
351	Well Decommissioning	Shallow Well Decommissioning	LnFt	\$21.06	\$737
356	Dike	Earthen Dike	LnFt	\$9.27	\$2,576
359	Waste Treatment Lagoon	Earthen Lagoon	CuYd of Waste Stored	\$13.56	\$22,594
360	Closure of Waste Impoundment	Pump-out & Demolition of a Lagoon or Pond	CuYd of Waste Stored	\$12.16	\$23,360
360	Closure of Waste Impoundment	Pump-out & Demolition of a Concrete Pit	CuYd of Waste Stored	\$9.66	\$13,764
362	Diversion	Earthen Diversion	LnFt	\$2.83	\$1,417
365	Anaerobic Digester	Covered Lagoon/Dairy	\$/Head	\$335.18	\$251,387
365	Anaerobic Digester	Covered Lagoon/Swine	\$/Head	\$118.40	\$118,401
366	Anaerobic Digester	Plug Flow/Dairy	\$/Head	\$719.98	\$539,985
378	Pond	Earthen Pond - Embankment or Dugout	CuYds of Earth Moved	\$9.00	\$9,002
380	Windbreak/Shelterbelt Est.	Hardwoods	Acre	\$908.60	\$455
380	Windbreak/Shelterbelt Est.	Pines	Acre	\$86.96	\$43.48
380	Windbreak/Shelterbelt Est.	Mixed Shrubs	Acre	\$1,530.88	\$765
380	Windbreak/Shelterbelt Est.	Containerized plants - VEB for Poultry houses	LnFt	\$4.27	\$4,273
382	Fence	3-strand bared wire	LnFt	\$2.92	\$3,853
382	Fence	4-strand bared wire	LnFt	\$3.06	\$4,037
382	Fence	5-strand bared wire	LnFt	\$3.20	\$4,218
382	Fence	6-strand high tensile non-electric (HTNE) wire	LnFt	\$2.94	\$4,070
382	Fence	8-strand high tensile non-electric (HTNE) wire	LnFt	\$3.13	\$4,127
382	Fence	1-strand high tensile electric (HTE) wire	LnFt	\$1.98	\$2,613
382	Fence	2-strand high tensile electric (HTE) wire	LnFt	\$2.05	\$2,712
382	Fence	3-strand high tensile electric (HTE) wire (used for interior sub-division/ permanent fencing by NRCS)	LnFt	\$2.24	\$2,953
382	Fence	4-strand high tensile electric (HTE) wire (used for permanent exclusion/field boundary fence for NRCS)	LnFt	\$2.36	\$3,109
382	Fence	5-strand high tensile electric (HTE) wire	LnFt	\$2.44	\$3,225
382	Fence	1-strand stainless steel electric poly (SSEP) wire (used for interior sub- division /temporary fencing by NRCS)	LnFt	\$0.52	\$682
382	Fence	2-strand stainless steel electric poly (SSEP) wire	LnFt	\$0.60	\$786

Practice Code	Practice Name	Practice Scenario	Units	Estimated Average Cost/Unit	Typical Total Installation Cost
382	Fence	4ft. woven wire + 1-strand of barbed wire (WW+BW) - (used for permanent human exclusion by NRCS)	LnFt	\$4.45	\$2,447
382	Fence	4ft. Chain-link fence + 1-strand of barbed wire (CL+BW)	LnFt	\$9.24	\$5,081
386	Field Border	Nat. Warm Season Grass Establishment con.till	Acre	\$215.63	\$431
386	Field Border	NWSG Establishment, switchgrass, no-till	Acre	\$222.77	\$446
386	Field Border	NWSG Establishment, Little BS & Ind.grass, no-till	Acre	\$215.34	\$431
386	Field Border	NWSG Establishment and Partridge Peas	Acre	\$234.24	\$468
386	Field Border	NWSG, Part. Peas, VA70 & Mixed Shrubs, no-till	Acre	\$331.64	\$663
386	Field Border	Little BS, Indiangrass, Part. Peas & mixed shrubs, no-till	Acre	\$316.85	\$634
386	Field Border	Lit.BS, Ind.grass,Part.Peas,mixed shrubs,mowing, no-till	Acre	\$405.67	\$811
386	Field Border	NWSG & Wildflower Mixture (forbs) to benefit wildlife, CT	Acre	\$1,305.23	\$2,610
386	Field Border	Wildlife Mixture, lespadeza, part.peas, redtop, NT	Acre	\$316.92	\$634
386	Field Border	Cool Season Grass Establishment + Part. Peas, NT	Acre	\$342.44	\$685
386	Field Border	Cool Season Grass Establishment, NT	Acre	\$330.98	\$662
386	Field Border	Cut-back Field Border	Acre	\$566.38	\$1,133
390	Riparian Herbacious Cover	Rip. Herb. Cover-Warm Sea. Grasses + Part. Peas	Acre	\$287.81	\$576
390	Riparian Herbacious Cover	Riparian Herbacious Cover - Nat. Suc./disking	Acre	\$11.13	\$111
391	Riparian Forest Buffer	Riparian Forest Buffer - Hardwoods	Acre	\$908.60	\$6,359
391	Riparian Forest Buffer	Rip.For.Buf.-Hardwoods & White or Shortleaf Pines	Acre	\$942.60	\$6,597
391	Riparian Forest Buffer	Rip. For. Buffer-Hardwoods & Native Warm Sea.Grasses	Acre	\$1,114.49	\$7,800
391	Riparian Forest Buffer	Rip. For. Buffer-Hardwoods & Mixed Shrubs	Acre	\$1,508.60	\$10,558
393	Filter Strip	Warm Season Grass Establishment	Acre	\$276.35	\$553
393	Filter Strip	Cool Season Grass Establishment	Acre	\$330.98	\$662
394	Firebreak	Firebreak Establishment - plow	Acre	\$39.96	\$1,598
394	Firebreak	Firebreak Establishment - disk field/new firebreak	Acre	\$15.18	\$607
394	Firebreak	Firebreak Establishment - re-disk field/existing	Acre	\$9.86	\$493
396	Fish Passage	Dam Removal, Small	LnFt	\$550.08	\$110,016
396	Fish Passage	Dam Removal, Large	LnFt	\$5,736.41	\$1,434,102
396	Fish Passage	Culvert Removal/Replacement Open Arched Sm.	LnFt	\$852.73	\$21,318
396	Fish Passage	Culvert Removal/Replacement Open Arched Lg.	LnFt	\$1,331.91	\$79,915
396	Fish Passage	Culvert Removal/Replacement Corrugated Sm.	LnFt	\$79.60	\$1,990
396	Fish Passage	Culvert Removal/Replacement Corrugated Lg.	LnFt	\$91.68	\$5,501
396	Fish Passage	Barrier Removal/Bridge Installation, Sm.	LnFt	\$117.40	\$1,409

Practice Code	Practice Name	Practice Scenario	Units	Estimated Average Cost/Unit	Typical Total Installation Cost
396	Fish Passage	Denil Type Fish Ladder	Hydraulic fishway height in Vertical Ft	\$51,860	\$298,196
396	Fish Passage	Concrete Low Water Crossing Removal	SqFt	\$14.19	\$15,614
409	Prescribed Forestry	Forest Management Plan, 10-50 acres	Acre	\$16.67	\$750
409	Prescribed Forestry	Forest Management Plan, > 50 < 1,000 acres	Acre	\$10.00	\$1,000
409	Prescribed Forestry	Forest Management Plan, ≥ 1,000 acres	Acre	\$4.00	\$4,000
410	Grade Stabilization Structure	Earthen Grade Stabilization Structure	LnFt	\$284.04	\$21,303
410	Grade Stabilization Structure	Riprap Grade Stabilization Structure	SqFt	\$11.55	\$6,062
410	Grade Stabilization Structure	Concrete Grade Stabilization Structure	LnFt	\$314.89	\$6,298
412	Grassed Waterway	Grassed Waterway	Acre	\$3,411.38	\$3,133
422	Hedgerow Planting	Hedgerow Planting with Hardwoods	Acre	\$908.60	\$455
422	Hedgerow Planting	Hedgerow Planting w/ White Pines or Cedars	Acre	\$78.25	\$39.13
422	Hedgerow Planting	Hedgerow Planting, VA70 & Mixed shrub seedlings	Acre	\$1,479.24	\$740
422	Hedgerow Planting	Hedgerow Planting with Mixed Shrub seedlings	Acre	\$993.18	\$497
430AA	Irrigation Water Convenyance	6" Aluminum Pipeline	LnFt	\$4.96	\$6,547
430DD	Irrigation Water Convenyance	6" PVC Pipeline	LnFt	\$5.85	\$7,719
436	Irrigation Storage Reservoir	Irrigation Storage Reservoir - Dam	CuYds of Earth Moved	\$7.83	\$88,922
436	Irrigation Storage Reservoir	Irrigation Storage Reservoir - Dugout	CuYds of Earth Moved	\$2.40	\$60,520
441	Irrigation System-Micro	Irrigation System - Micro	Acre	\$923.33	\$26,777
442	Irrigation System-Sprinkler	Irrigation System - Center Pivot Sprinkler	Acre	\$1,184.23	\$121,975
442	Irrigation System-Sprinkler	Retrofit existing Center Pivot Sprinkler	LnFt	\$6.11	\$9,469
447	Irrigation Sys.Tailwater Recovery	Irrigation System Tailwater Recovery	LnFt	\$3.01	\$3,010
449	Irrigation Water Management	IWM - plan preparation	Acre	\$5.92	\$592
449	Irrigation Water Management	IWM - plan implementation	Acre	\$26.18	\$2,618
457	Mine Shaft and Adit Closing	Riprap Closing of a Mine Opening	SqFt	\$56.38	\$4,511
457	Mine Shaft and Adit Closing	Bat Grate/Closing of a Mine Opening	SqFt	\$74.03	\$5,923
468	Lined Waterway or Outlet	Rock-lined Waterway or Outlet	SqFt	\$0.68	\$13,629
490	Forest Site Preparation	Rolling Drum Chopper	Acre	\$229.50	\$3,443
490	Forest Site Preparation	Herb. Application < 350 trees/acre, herbaceous species	Acre	\$82.18	\$2,054
490	Forest Site Preparation	Herb. Application > 350 trees/acre, herbaceous species	Acre	\$82.18	\$2,054
490	Forest Site Preparation	Herbicide Application < 350 trees/acre, woody species	Acre	\$144.30	\$3,608

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490	Forest Site Preparation	Herbicide Application > 350 trees/acre, woody species	Acre	\$144.30	\$3,608
512	Pasture and Hayland Planting	Native Warm Season Grass Establishment, conv.-till	Acre	\$269.21	\$2,692
512	Pasture and Hayland Planting	Native Warm Season Grass Establishment, no-till	Acre	\$276.35	\$2,763
512	Pasture and Hayland Planting	Nat. Warm Season Grass Establishment, CT, I&D project	Acre	\$400.04	\$4,000
512	Pasture and Hayland Planting	Cool Season Grass Establishment, no-till	Acre	\$339.61	\$3,396
512	Pasture and Hayland Planting	Renovation with Legumes, broadcast "frost-seeded"	Acre	\$31.28	\$313
512	Pasture and Hayland Planting	Renovation with Legumes, drilled	Acre	\$42.18	\$422
516	Pipeline	Pipeline 1" PVC or PE	LnFt	\$2.18	\$1,311
516	Pipeline	Pipeline 2" PVC or PE	LnFt	\$2.55	\$1,531
516	Pipeline	Quick Coupler Connection	No	\$58.70	\$587
516	Pipeline	Public Water Connection	No	\$896.75	\$897
521	Pond Sealing or Lining	Flexible Membrane	SqFt	\$1.38	\$6,762
521	Pond Sealing or Lining	Soil Dispersant	SqFt	\$1.52	\$7,448
521	Pond Sealing or Lining	Bentonite Clay	SqFt	\$1.52	\$7,448
521	Pond Sealing or Lining	Compacted Clay, on-site source	CuYds of Earth Moved	\$7.28	\$2,402
521	Pond Sealing or Lining	Compacted Clay, off-site source	CuYds of Earth Moved	\$17.52	\$5,783
527	Sinkhole & Sinkhole Area Treat.	Excavate and Dispose of Debris, no geotextile nor gravel	Ton	\$141.77	\$5,104
527	Sinkhole & Sinkhole Area Treat.	Excavate and Dispose of Debris, w/ geotextile & gravel	Ton	\$171.81	\$6,185
528	Prescribed Grazing	Prescribed Grazing Plan	Acre	\$7.42	\$890
528	Prescribed Grazing	Prescribed Grazing Plan Implementation	Acre	\$69.33	\$8,320
533	Pumping Plant	Pumping Plant - Electrical	No	\$3,313.85	\$3,314
533	Pumping Plant	Pumping Plant - Pasture Pump	No	\$562.53	\$563
533	Pumping Plant	Pumping Plant - Ram	No	\$1,417.65	\$1,418
533	Pumping Plant	Pumping Plant - Solar - 2 panel 24V sys.	No	\$2,196.55	\$2,197
533	Pumping Plant	Pumping Plant - Solar - 4 panel 48V sys.	No	\$4,016.25	\$4,016
558	Roof Runoff Structure	Roof Runoff Structure - 6" Gutters	LnFt	\$6.00	\$4,226
558	Roof Runoff Structure	Roof Runoff Structure - Downspouts & Drainlines	LnFt	\$4.64	\$589
558	Roof Runoff Structure	Roof Runoff Structure - Underground Cistern & hookup	Gal	\$1.86	\$2,909
560	Access Road	1-Lane, 14ft. wide, 2ft. Shoulders, trees cleared	LnFt	\$26.73	\$13,367
560	Access Road	1-Lane, 14ft. wide, 2ft. Shoulders, no trees cleared	LnFt	\$20.46	\$10,229
560	Access Road	2-Lane, 20ft. Wide min., 2ft. Shoulders, trees cleared	LnFt	\$37.15	\$18,576
560	Access Road	2-Lane, 20ft. Wide min., 2ft. Shoulders, no trees cleared	LnFt	\$31.13	\$15,564

Practice Code	Practice Name	Practice Scenario	Units	Estimated Average Cost/Unit	Typical Total Installation Cost
561	Heavy Use Area Protection	Heavy Use Protection - Gravel & Fabric	SqFt	\$1.62	\$11,348
561	Heavy Use Area Protection	Heavy Use Protection - Concrete Slab	SqFt	\$3.77	\$15,062
561	Heavy Use Area Protection	Heavy Use Protection - Roof only	SqFt	\$7.04	\$28,160
561	Heavy Use Area Protection	Heavy Use Protection - Concrete with a Roof	SqFt	\$10.25	\$48,122
561	Heavy Use Area Protection	Concrete Slab for Mgt. Access of poultry houses	SqFt	\$3.87	\$6,187
574	Spring Development	Spring System: Collection Box and Tile	No	\$2,816	\$2,816
575	Animal Trails and Walkways	Fabric & Gravel Travel Lane	SqFt	\$2.14	\$14,973
575	Animal Trails and Walkways	Concrete Travel Lane	SqFt	\$3.76	\$26,305
578	Streamcrossing	Gravel & Fabric Graded Crossing, sm. ( $\leq 50'$ )	SqFt	\$2.50	\$1,749
578	Streamcrossing	Grav. & Fab. Graded Cross.,lg. ( $> 50'$ )	SqFt	\$2.17	\$3,032
578	Streamcrossing	Graded with concrete access (approx. 75')	SqFt	\$4.32	\$4,532
578	Streamcrossing	Graded with 2, 24" X 20' Culverts (approx. 75')	SqFt	\$5.13	\$5,381
580	Streambank & Shoreline Protection	Living Shoreline Stabilization w/ tidal plugs & coir logs	SqFt	\$4.36	\$43,642
580	Streambank & Shoreline Protection	Riprap toe of Slope then Vegetate	SqFt	\$4.11	\$10,287
585	Stripcropping	60' strips estab. w/ cool season grass,no change in yields	Acre	\$267.17	\$1,336
585	Stripcropping	60' strips established, some change in yields	Acre	\$9.76	\$97.65
587	Structure for Water Control	Water level control earthwork	CuYds of Earth Moved	\$5.80	\$1,450
587	Structure for Water Control	Water level control structure	No	\$2,688.10	\$2,688
590	Nutrient Management	Level B per NRCS/VA Tech. Note	Acre	\$63.62	\$3,181
590	Nutrient Management	Level C per NRCS/VA Tech. Note	Acre	\$67.93	\$3,397
591	Amend. for Treat. of Ag. Waste	Alum. treatment for broiler house litter	Sq.Ft.	\$0.16	\$1,532
591	Amend. for Treat. of Ag. Waste	Alum. treatment for turkey or roaster house litter	Sq.Ft.	\$0.130	\$156
591	Amend. for Treat. of Ag. Waste	Sodium Bisulfate treatment for broiler house litter	Sq.Ft.	\$0.144	\$173
591	Amend. for Treat. of Ag. Waste	Sodium Bisulfate treatment for roaster house litter	Sq.Ft.	\$0.115	\$129
595	Pest Management	E001 Crop Diversity One Level Increase	Acre	\$38.79	\$2,284
595	Pest Management	E002 Crop Diversity Two Level Increase	acre	\$46.03	\$6,198
595	Pest Management	E003 Crop Diversitiy Three Level Increase	Acre	\$65.60	\$10,112
595	Pest Management	Basic IPM for Apple and Peach Growers	Acre	\$123.27	\$7,396
595	Pest Management	Advanced IPM for Apple and Peach Growers	Acre	\$236.80	\$14,208
595	Pest Management	Pest Mgt. - woody species treat. prog. sites	Acre	\$103.00	\$1,545
595	Pest Management	Pest Management - spot chemical application	Acre	\$57.64	\$865
595	Pest Management	Mechanical - bush hogging	Acre	\$19.52	\$195
595	Pest Management	Mechanical - disking	Acre	\$11.13	\$111

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595	Pest Management	Phragmites Control < 100 acres	Acre	\$422.64	\$10,566
595	Pest Management	Phragmites Control > 100 acres	Acre	\$316.98	\$47,547
600	Terrace	Terrace	LnFt	\$0.621	\$311
612	Tree and Shrub Establishment	Hardwood Tree Planting	Acre	\$908.60	\$13,629
612	Tree and Shrub Establishment	Pine Tree Planting < 350 trees/acre	Acre	\$52.42	\$786
612	Tree and Shrub Establishment	Pine Tree Planting > 350 trees/acre	Acre	\$84.57	\$1,269
612	Tree and Shrub Establishment	Longleaf Pine Tree Planting	Acre	\$174.40	\$1,744
612	Tree and Shrub Establishment	VA70 and Mixed Shrub Seedlings	Acre	\$1,446.05	\$21,691
612	Tree and Shrub Establishment	Mixed Shrub Seedling Planting	Acre	\$970.64	\$14,560
612	Tree and Shrub Establishment	Hardwood Trees & Mixed Shrub Seedlings	Acre	\$1,217.60	\$18,264
614	Watering Facility	2-Hole - Freeze Proof Trough	No	\$1,398.70	\$1,399
614	Watering Facility	4-Hole - Freeze Proof Trough	No	\$1,776.26	\$1,776
614	Watering Facility	Precast Concrete Tank, 500gal.	No	\$1,273.56	\$1,274
614	Watering Facility	Converted Heavy Equip. Tire	No	\$855.85	\$856
614	Watering Facility	Concrete Reservoir -1,000 Gal.	No	\$1,571.99	\$1,572
614	Watering Facility	Concrete Reservoir -1,500 Gal.	No	\$1,682.34	\$1,682
633	Waste Utilization	Waste Utilization dry poultry spreading	Acre	\$34.02	\$680
633	Waste Utilization	Waste Utilization liquid dairy spreading	Acre	\$13.18	\$264
633	Waste Utilization	Waste Utilization lagoon to cropland irrigation system	Acre	\$397.61	\$69,583
634	Manure Transfer	Pipe & hydrants, no pump - liquid waste	LnFt	\$5.85	\$7,719
634	Manure Transfer	Booster pump only - liquid waste	No	\$7,845	\$7,845
634	Manure Transfer	Pump, pipe & hydrants - Liquid Waste	Animal Units	\$156.27	\$70,323
634	Manure Transfer	Pump,pipe,hydrant & traveling gun-Liquid Waste	Animal Units	\$268.46	\$120,805
634	Manure Transfer	Pipe & Dropbox from Dairy waste Storage	No.	\$9,018.87	\$9,019
638	Water and Sediment Control Basin	Earthen Control Structure	CuYds of Earth Moved	\$9.35	\$9,355
642	Water Well	Drilled Well	LnFt	\$14.45	\$6,424
643	Res. & Mgt. of Declining Habitats	Oyster Reef - planted oyster shells	Bu.	\$4.57	\$91,440
643	Res. & Mgt. of Declining Habitats	Oyster Reef - sunken concrete reef spheres	Acre	\$41,148.00	\$41,148
643	Res. & Mgt. of Declining Habitats	Submerged Aquatic Vegetation Seeding	Acre	\$30,861.00	\$92,583
643	Res. & Mgt. of Declining Habitats	Eastern Shore Native Tree & Shrub Species, ≤ 5 acres	Acre	\$1,570.22	\$6,281
643	Res. & Mgt. of Declining Habitats	Eastern Shore Native Tree & Shrub Species, > 5 acres	Acre	\$1,198.55	\$11,986
643	Res. & Mgt. of Declining Habitats	Longleaf Pines	Acre	\$174.40	\$1,744
643	Res. & Mgt. of Declining Habitats	Atlantic White Cedar	Acre	\$1,542.96	\$15,430



Practice Code	Practice Name	Practice Scenario	Units	Estimated Average Cost/Unit	Typical Total Installation Cost
644	Wetland Wildlife Hab. Management	Seasonal Water Management for Wildlife	CuYds of Earth Moved	\$5.80	\$1,450
645	Upland Wildlife Habitat Mgt.	Wild.Hab.Score before of < 50/after of 50-74	Acre	\$61.05	\$800
645	Upland Wildlife Habitat Mgt.	Wild.Hab.Score before of 50-74/after of 76-100	Acre	\$100.56	\$1,040
645	Upland Wildlife Habitat Mgt.	Wild.Hab.Score before of < 50/after of 76-100	Acre	\$205.95	\$3,536
646	Shallow Water Mgt. for Wildlife	Earth fill Embankment, < 2.5' high	CuYds of Earth Moved	\$10.25	\$8,199
646	Shallow Water Mgt. for Wildlife	Earthen Dugout	CuYds of Earth Moved	\$6.38	\$10,206
647	Early Success. Hab. Development	Disking	Acre	\$10.43	\$52.15
647	Early Success. Hab. Development	Rolling Drum Chopper	Acre	\$210.67	\$3,160
647	Early Success. Hab. Development	Bush Hogging	Acre	\$19.01	\$475
647	Early Success. Hab. Development	Deferred Grazing/Mowing	Acre	\$29.03	\$435
647	Early Success. Hab. Development	Herbicide Application - woody species treatment	Acre	\$103.00	\$1,545
655	Forest Trails and Landings	Landing Area Treatment	Acre	\$1,839.37	\$920
657	Wetland Restoration	Crush tile/fill ditch	LnFt	\$23.03	\$1,151
658	Wetland Creation	Earthen Embankment Impoundment	LnFt	\$32.80	\$8,199
658	Wetland Creation	Low Earthen Embankment (2ft. high or less)	LnFt	\$16.51	\$4,126
658	Wetland Creation	Excavated shallow seasonal pools for amphibians	SqFt	\$0.30	\$3,343
658	Wetland Creation	Excavated seasonal pools w/ liners for amphibians	SqFt	\$0.39	\$4,344
658	Wetland Creation	Excavated seasonal pools in non-hydric soil sites	SqFt	\$0.44	\$2,413
659	Wetland Enhancement	Excavated seasonal pools in hydric soil sites	SqFt	\$0.49	\$2,695
659	Wetland Enhancement	Broadcast wetland plant seed mixture	SqFt	\$0.027	\$146
659	Wetland Enhancement	Wetland plant plugs	Acre	\$1.01	\$5,555
660	Tree and Shrub Pruning	Hand shearing of Christmas trees	Acre	\$250.00	\$2,500
666	Forest Stand Improvement	Mid-rotation Herbicide Application < 350 trees/acre	Acre	\$82.69	\$3,040
666	Forest Stand Improvement	Mid-rotation Herbicide Application > 350 trees/acre	Acre	\$82.69	\$3,040
666	Forest Stand Improvement	Mechanical Thinning < 350 trees/acre	Acre	\$121.60	\$2,067
666	Forest Stand Improvement	Mechanical Thinning > 350 trees/acre	Acre	\$121.60	\$2,067
717	Livestock Shade Structure	Portable Shade Structure	SqFt	\$5.10	\$2,040
749	Waste Field Storage	Fabric and Gravel with a Tarp.	SqFt	\$1.70	\$11,919
749	Waste Field Storage	Concrete Slab with a Tarp.	SqFt	\$3.86	\$15,453